This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

+ *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.

+ *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.

+ *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.

+ *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at `http://books.google.com/`

War 4298.63.9

Harvard College Library

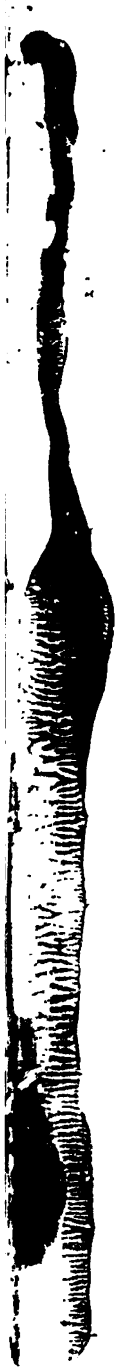
BOUGHT FROM THE
ANDREW PRESTON PEABODY
FUND

BEQUEATHED BY
CAROLINE EUSTIS PEABODY
OF CAMBRIDGE

Digitized by Google

Digitized by Google

Digitized by Google



Digitized by Google

Digitized by Google

TABELLER

TIL BRUG VED

DISTANCEMAALING

VED HJÆLP AF

DEN ELEKTRISKE TELEGRAF.

TRYKT SOM MANUSKRIPT.

KJØBENHAVN.

LOUIS KLEINS BOGTRYKKERI.

1863.

Digitized by Google

War 4298.63.9

HARVARD COLLEGE LIBRARY
FROM THE
ANDREW FREDERICK PEABODY
FUND
February 6, 1939

Digitized by Google

I.

DISTANCETABEL,

BEREGNET FOR

VINKLER FRA 40° TIL 135°.

BASIS = 1000.

Digitized by Google

Gr.	40	41	42	43	44	45	
40	653-653	664-651	676-649	687-648	698-646	710-646	
41	664-651	663-663	674-661	685-659	698-659	708-657	
42	676-649	674-661	672-672	685-672	696-670	708-670	
43	687-648	685-659	685-672	683-683	696-683	708-683	
44	698-646	698-659	696-670	696-683	696-696	707-695	
45	710-646	708-657	708-670	708-683	707-695	707-707	
46	720-644	720-657	720-670	719-682	719-695	719-707	
47	732-644	732-657	731-669	731-682	731-695	732-708	
48	744-644	743-656	743-669	743-682	744-696	744-708	
49	755-643	755-656	755-669	756-683	756-696	757-708	
50	766-643	766-656	767-670	767-683	768-697	769-710	
51	777-643	778-657	778-670	779-683	780-698	781-711	
52	789-644	789-657	790-670	791-685	792-698	794-712	
53	800-644	801-657	802-672	803-686	805-700	807-714	
54	811-644	812-659	813-672	815-687	817-702	819-716	
55	822-646	822-659	825-674	827-689	829-703	831-718	
56	833-646	835-661	837-676	839-690	842-706	844-720	
57	845-648	848-663	849-677	852-692	854-708	858-723	
58	857-649	858-664	861-679	864-695	867-711	871-726	
59	867-651	870-666	873-681	876-697	880-714	884-729	
60	879-653	882-668	885-684	889-700	893-716	897-732	
61	891-655	895-671	898-687	900-703	906-719	911-736	
62	903-657	905-674	910-690	916-706	919-723	925-740	
63	915-660	919-676	922-693	927-710	932-727	937-743	
64	927-663	931-679	935-696	940-713	945-731	950-747	
65	937-666	943-683	948-700	953-717	958-735	964-752	
66	951-669	956-686	961-703	966-721	972-739	979-757	
67	963-673	968-690	974-707	980-726	986-744	994-783	
68	975-676	980-693	986-712	993-730	1000-750	1007-768	
69	987-680	994-698	1000-716	1008-736	1014-755	1022-774	
70	1000-684	1006-702	1014-722	1021-741	1028-760	1038-780	
71	1015-689	1020-708	1027-726	1035-746	1044-767	1052-786	
72	1026-694	1033-713	1040-732	1050-753	1058-773	1067-793	
73	1038-698	1046-718	1055-738	1063-759	1073-780	1083-801	
74	1051-704	1061-724	1069-744	1079-765	1088-787	1098-808	
75	1066-710	1075-730	1084-751	1084-772	1104-794	1115-817	
76	1079-715	1089-736	1099-758	1109-779	1120-803	1132-825	
77	1093-722	1103-743	1113-765	1125-788	1136-811	1148-834	
78	1108-728	1118-750	1129-773	1141-796	1153-819	1166-843	
79	1122-735	1134-758	1146-781	1158-804	1170-828	1185-853	
80	1137-742	1149-764	1162-789	1172-813	1188-838	1203-863	
81	1153-750	1165-774	1178-797	1192-823	1206-849	1221-874	
82	1167-758	1180-782	1194-807	1209-833	1222-859	1239-885	
83	1184-766	1198-791	1212-817	1227-843	1243-870	1260-897	
84	1200-776	1215-801	1230-827	1245-855	1263-882	1280-910	
85	1216-785	1231-811	1247-837	1264-865	1282-894	1300-923	
86	1234-795	1249-821	1266-849	1284-878	1303-907	1322-936	
87	1250-805	1268-832	1286-861	1304-890	1323-921	1345-952	
88	1268-816	1286-844	1304-873	1323-903	1345-935	1367-967	
89	1287-828	1305-856	1325-886	1346-918	1367-951	1391-983	
90	1306-839	1325-869	1346-900	1368-933	1391-967	1414-1000	

Digitized by Google

Gr.	46	47	48	49	50	51	
40	720-644	732-644	744-644	755-643	766-643	777-643	
41	720-657	732-657	743-656	755-656	766-656	778-657	
42	720-670	731-669	743-669	755-669	767-670	778-670	
43	719-682	731-682	743-682	756-683	767-683	779-683	
44	719-695	731-695	744-696	756-696	768-697	780-698	
45	719-707	732-708	744-708	757-708	769-710	781-711	
46	720-720	732-720	744-720	758-722	770-723	782-724	
47	732-720	732-732	746-734	759-735	771-736	785-738	
48	744-720	746-734	747-747	760-748	774-751	786-752	
49	758-722	759-735	760-748	763-763	775-764	789-766	
50	770-723	771-736	774-751	775-764	778-778	791-780	
51	782-724	785-738	786-752	789-766	791-780	795-795	
52	796-726	798-740	800-754	803-769	806-783	809-798	
53	809-728	811-742	814-757	817-772	820-786	824-801	
54	821-730	824-744	827-760	831-775	834-789	837-804	
55	834-732	837-747	841-763	844-778	848-793	852-809	
56	848-735	851-751	855-766	858-782	863-797	867-813	
57	861-738	865-754	869-769	873-786	878-801	882-817	
58	874-741	878-757	882-773	887-790	892-805	896-821	
59	887-744	892-761	896-777	901-794	906-810	912-827	
60	901-748	906-765	911-782	915-798	921-815	927-832	
61	915-752	920-769	925-785	931-803	937-820	944-838	
62	928-756	933-773	939-790	945-808	952-826	959-844	
63	942-760	948-778	954-796	961-814	967-832	975-850	
64	956-765	963-783	970-802	976-820	984-838	992-857	
65	970-770	977-789	984-807	991-826	1000-845	1008-865	
66	986-776	992-794	1000-813	1009-833	1017-852	1026-872	
67	1000-781	1008-800	1017-820	1024-840	1034-860	1043-880	
68	1014-787	1023-807	1031-826	1040-847	1050-867	1059-888	
69	1031-794	1039-813	1048-834	1058-855	1068-879	1080-897	
70	1046-800	1055-820	1065-841	1074-863	1085-885	1097-907	
71	1062-807	1072-828	1081-849	1092-872	1104-894	1116-916	
72	1077-814	1087-835	1098-858	1110-881	1121-903	1133-926	
73	1093-822	1104-844	1116-867	1127-890	1139-913	1153-937	
74	1110-830	1121-853	1133-876	1145-900	1159-924	1173-949	
75	1127-837	1139-862	1151-886	1165-911	1179-935	1194-964	
76	1144-848	1156-871	1170-896	1184-922	1199-947	1214-972	
77	1161-857	1175-882	1189-907	1204-933	1219-959	1236-986	
78	1180-867	1194-893	1209-918	1224-945	1241-972	1259-1000	
79	1198-878	1214-904	1230-930	1246-958	1264-986	1282-1014	
80	1218-889	1233-915	1250-933	1268-972	1286-1000	1305-1029	
81	1237-900	1254-928	1272-956	1290-987	1309-1015	1330-1046	
82	1256-912	1274-941	1292-980	1311-1000	1333-1031	1354-1063	
83	1278-928	1296-954	1315-984	1336-1016	1358-1048	1384-1081	
84	1299-939	1318-968	1339-1000	1361-1033	1384-1065	1407-1099	
85	1319-952	1340-984	1363-1016	1385-1050	1409-1083	1433-1118	
86	1343-968	1365-1000	1388-1033	1412-1068	1436-1102	1463-1139	
87	1367-984	1389-1017	1413-1051	1437-1086	1465-1123	1493-1161	
88	1389-1000	1413-1034	1437-1069	1465-1107	1493-1145	1523-1184	
89	1414-1017	1439-1052	1466-1089	1495-1129	1524-1168	1555-1209	
90	1439-1035	1466-1072	1495-1111	1524-1151	1555-1191	1590-1235	

Digitized by Google

Gr.	52	53	54	55	56	57	
40	789-644	800-644	811-644	822-646	833-646	845-648	
41	789-657	801-657	812-659	822-659	835-661	848-663	
42	790-670	802-672	813-672	825-674	837-676	849-677	
43	791-685	803-686	815-687	827-689	839-690	852-692	
44	792-698	805-700	817-702	829-703	842-706	854-708	
45	794-712	807-714	819-716	831-718	844-720	858-723	
46	796-726	809-728	821-730	834-732	848-735	861-738	
47	798-740	811-742	824-744	837-747	851-751	865-754	
48	800-754	814-757	827-760	841-763	855-766	869-769	
49	803-769	817-772	831-775	844-778	858-782	873-786	
50	806-783	820-786	834-789	848-793	863-797	878-801	
51	809-798	824-801	837-804	852-809	867-813	882-817	
52	812-812	827-816	842-820	857-824	872-828	887-833	
53	827-816	831-831	844-836	861-840	876-845	893-850	
54	842-820	844-836	851-851	866-855	882-861	898-866	
55	857-824	861-840	866-855	871-871	888-877	905-883	
56	872-828	876-845	882-861	888-877	894-894	911-900	
57	887-833	893-850	898-866	905-883	911-900	918-918	
58	902-838	908-855	915-873	921-889	928-907	936-926	
59	918-844	924-862	931-878	938-896	946-915	953-933	
60	934-850	940-868	947-885	956-904	963-922	972-942	
61	950-856	957-874	966-893	973-911	982-930	991-950	
62	966-862	975-882	982-900	991-919	1000-939	1009-959	
63	983-870	991-889	1000-908	1009-927	1018-947	1029-969	
64	1000-877	1009-897	1018-916	1027-936	1038-957	1049-979	
65	1018-884	1026-905	1036-925	1046-945	1058-967	1068-989	
66	1035-892	1045-913	1055-934	1066-956	1078-978	1089-1000	
67	1053-901	1063-923	1075-944	1087-966	1098-988	1111-1012	
68	1070-910	1082-932	1093-954	1105-976	1118-1000	1132-1024	
69	1090-919	1101-942	1113-964	1125-988	1140-1012	1155-1037	
70	1108-929	1120-952	1134-976	1148-1000	1162-1025	1176-1050	
71	1128-934	1141-964	1155-988	1169-1012	1184-1038	1201-1064	
72	1147-951	1161-976	1176-1000	1190-1025	1207-1052	1224-1080	
73	1167-962	1182-988	1196-1013	1213-1039	1230-1067	1248-1095	
74	1189-974	1203-1000	1219-1027	1236-1055	1255-1085	1273-1111	
75	1209-986	1226-1014	1243-1041	1261-1069	1279-1098	1300-1129	
76	1230-1000	1248-1028	1266-1056	1285-1085	1306-1116	1327-1138	
77	1254-1014	1272-1043	1290-1072	1311-1102	1332-1134	1355-1167	
78	1277-1029	1297-1058	1316-1089	1338-1120	1360-1153	1383-1187	
79	1301-1044	1322-1075	1343-1107	1366-1139	1389-1173	1413-1207	
80	1326-1061	1347-1093	1370-1125	1393-1158	1417-1193	1444-1230	
81	1352-1078	1374-1111	1397-1144	1422-1178	1449-1216	1477-1254	
82	1377-1096	1400-1130	1424-1164	1452-1201	1480-1239	1511-1279	
83	1405-1115	1429-1150	1456-1186	1484-1224	1514-1264	1544-1305	
84	1432-1134	1459-1172	1487-1209	1517-1248	1547-1289	1582-1334	
85	1460-1155	1489-1194	1518-1233	1549-1274	1583-1318	1617-1362	
86	1492-1178	1521-1218	1552-1258	1587-1302	1620-1346	1656-1394	
87	1523-1201	1554-1243	1588-1286	1622-1329	1659-1377	1699-1427	
88	1554-1225	1588-1270	1622-1313	1659-1360	1699-1410	1740-1462	
89	1590-1253	1623-1297	1661-1344	1702-1393	1744-1444	1789-1501	
90	1623-1279	1661-1327	1701-1376	1742-1427	1789-1483	1835-1539	

Digitized by Google

Gr.	58	59	60	61	62	63	
40	857-649	867-651	879-653	891-655	903-657	915-660	
41	858-664	870-666	882-668	895-671	905-674	919-676	
42	861-679	873-681	885-684	898-687	910-690	922-693	
43	864-695	876-697	889-700	900-703	916-706	927-710	
44	867-711	880-714	893-716	906-719	919-723	932-727	
45	871-726	884-729	897-732	911-736	925-740	937-743	
46	874-741	887-744	901-748	915-752	928-756	942-760	
47	878-757	892-761	906-765	920-769	933-773	948-778	
48	882-773	896-777	911-782	925-785	939-790	954-796	
49	887-790	901-794	915-798	931-803	945-808	961-814	
50	892-805	906-810	921-815	937-820	952-826	967-832	
51	896-821	912-827	927-832	944-838	959-844	975-850	
52	902-838	918-844	934-850	950-856	966-862	983-870	
53	908-855	924-862	940-868	957-874	975-882	991-889	
54	915-873	931-878	947-885	966-893	982-900	1000-908	
55	921-889	938-896	956-904	973-911	991-919	1009-927	
56	928-907	946-915	963-922	982-930	1000-939	1018-947	
57	936-926	953-933	972-942	991-950	1009-959	1029-969	
58	943-943	962-952	981-960	1000-969	1020-979	1040-989	
59	962-952	971-971	990-979	1010-990	1030-1000	1051-1011	
60	981-960	990-979	1000-1000	1021-1011	1041-1021	1062-1031	
61	1000-969	1010-990	1021-1011	1032-1032	1052-1043	1075-1055	
62	1020-979	1030-1000	1041-1021	1052-1043	1065-1065	1088-1078	
63	1040-989	1051-1011	1062-1031	1075-1055	1088-1078	1101-1101	
64	1060-1000	1072-1021	1084-1045	1098-1068	1111-1091	1125-1115	
65	1080-1011	1093-1034	1106-1057	1120-1082	1134-1105	1150-1131	
66	1102-1024	1116-1046	1130-1070	1144-1096	1160-1121	1176-1147	
67	1125-1035	1138-1059	1153-1084	1169-1110	1185-1136	1202-1163	
68	1146-1048	1160-1073	1176-1099	1193-1126	1210-1153	1228-1180	
69	1169-1062	1185-1087	1198-1115	1219-1142	1237-1170	1257-1199	
70	1193-1076	1210-1103	1227-1131	1245-1159	1265-1188	1286-1219	
71	1218-1091	1235-1119	1253-1147	1273-1178	1294-1208	1316-1239	
72	1242-1107	1260-1135	1280-1166	1302-1197	1323-1228	1345-1260	
73	1266-1123	1287-1153	1308-1185	1330-1217	1352-1249	1376-1282	
74	1293-1141	1315-1172	1337-1204	1359-1238	1383-1271	1409-1306	
75	1321-1160	1344-1192	1366-1225	1390-1259	1416-1295	1444-1332	
76	1349-1179	1372-1212	1396-1246	1422-1283	1450-1320	1479-1358	
77	1378-1199	1401-1233	1428-1270	1456-1308	1485-1346	1515-1386	
78	1407-1220	1433-1257	1462-1294	1491-1334	1521-1373	1555-1417	
79	1440-1243	1468-1281	1497-1320	1527-1361	1561-1404	1594-1446	
80	1472-1268	1502-1306	1532-1347	1566-1391	1599-1434	1636-1480	
81	1506-1293	1537-1333	1571-1377	1604-1420	1641-1467	1680-1515	
82	1540-1319	1574-1362	1607-1406	1645-1453	1684-1502	1725-1552	
83	1579-1348	1612-1391	1650-1439	1689-1488	1730-1538	1776-1596	
84	1615-1377	1653-1424	1692-1473	1733-1524	1780-1580	1826-1635	
85	1654-1409	1694-1458	1735-1509	1782-1565	1828-1620	1879-1681	
86	1697-1442	1739-1493	1785-1549	1831-1606	1883-1666	1938-1730	
87	1740-1477	1787-1533	1833-1589	1885-1647	1940-1715	1998-1782	
88	1787-1517	1833-1576	1885-1634	1940-1699	1998-1766	2060-1837	
89	1835-1556	1887-1617	1942-1682	2000-1750	2062-1821	2132-1900	
90	1887-1610	1942-1664	2000-1732	2062-1804	2132-1881	2204-1963	

Digitized by Google

Gr.	64	65	66	67	68	69	
40	927-663	937-666	951-669	963-673	975-676	987-680	
41	931-679	943-683	956-686	968-690	980-693	994-698	
42	935-696	948-700	961-703	974-707	986-712	1000-716	
43	940-713	953-717	966-721	980-726	993-730	1008-736	
44	945-731	958-735	972-739	986-744	1000-750	1014-755	
45	950-747	964-752	979-757	994-763	1007-768	1022-774	
46	956-765	970-770	986-776	1000-781	1014-787	1031-794	
46	963-783	977-789	992-794	1008-800	1023-807	1039-813	
48	970-802	984-807	1000-813	1017-820	1031-826	1048-834	
49	976-820	991-826	1009-833	1024-840	1040-847	1058-855	
50	984-838	1000-845	1017-852	1034-860	1050-867	1068-879	
51	992-857	1008-865	1026-872	1043-880	1059-888	1080-897	
52	1000-877	1018-884	1035-892	1053-901	1070-910	1090-919	
53	1009-897	1026-905	1045-913	1063-923	1082-932	1101-942	
54	1018-916	1036-925	1055-934	1075-944	1093-954	1113-964	
55	1027-936	1046-945	1066-956	1087-966	1105-976	1125-988	
56	1038-957	1058-967	1078-978	1098-988	1118-1000	1140-1012	
57	1049-979	1068-989	1089-1000	1111-1012	1132-1024	1155-1037	
58	1060-1000	1080-1011	1102-1024	1125-1035	1146-1048	1169-1062	
59	1072-1021	1093-1034	1116-1046	1138-1059	1160-1073	1185-1087	
60	1084-1045	1106-1057	1130-1070	1153-1084	1176-1099	1198-1115	
61	1098-1068	1120-1082	1144-1096	1169-1110	1193-1126	1219-1142	
62	1111-1091	1134-1105	1160-1121	1185-1136	1210-1153	1237-1170	
63	1125-1115	1150-1131	1176-1147	1202-1163	1228-1180	1257-1199	
64	1141-1141	1165-1157	1193-1174	1220-1191	1248-1210	1278-1230	
65	1165-1157	1183-1183	1211-1200	1240-1219	1268-1239	1299-1260	
66	1193-1174	1211-1200	1230-1230	1260-1250	1284-1271	1321-1292	
67	1220-1191	1240-1219	1260-1250	1281-1281	1307-1299	1344-1325	
68	1248-1210	1268-1239	1284-1271	1307-1299	1334-1334	1369-1359	
69	1278-1230	1299-1260	1321-1292	1344-1325	1369-1359	1396-1396	
70	1307-1250	1330-1281	1352-1315	1378-1350	1405-1385	1433-1424	
71	1338-1272	1361-1304	1387-1340	1414-1377	1442-1413	1471-1453	
72	1368-1294	1394-1328	1421-1366	1450-1404	1477-1442	1512-1485	
73	1402-1318	1429-1354	1457-1393	1487-1432	1520-1474	1552-1516	
74	1436-1344	1465-1381	1495-1421	1528-1464	1560-1505	1596-1551	
75	1473-1370	1502-1409	1536-1453	1568-1495	1605-1540	1643-1581	
76	1509-1397	1542-1440	1575-1484	1611-1530	1650-1576	1690-1627	
77	1548-1429	1581-1471	1618-1518	1656-1566	1697-1615	1742-1671	
78	1588-1459	1625-1505	1663-1554	1704-1605	1750-1658	1794-1714	
79	1631-1493	1667-1541	1711-1592	1757-1648	1802-1701	1853-1762	
80	1675-1529	1716-1578	1762-1635	1807-1690	1858-1749	1913-1814	
81	1721-1566	1767-1621	1813-1677	1864-1738	1918-1800	1976-1868	
82	1771-1608	1817-1662	1868-1725	1922-1788	1980-1854	2041-1926	
83	1822-1650	1874-1709	1928-1775	1986-1842	2048-1911	2117-1991	
84	1877-1696	1932-1759	1990-1828	2052-1899	2121-1976	2192-2057	
85	1934-1746	1992-1812	2054-1884	2124-1964	2194-2042	2274-2132	
86	1996-1798	2058-1868	2128-1949	2198-2029	2279-2116	2359-2208	
87	2060-1854	2130-1932	2200-2013	2281-2103	2362-2191	2454-2295	
88	2130-1917	2200-1996	2281-2087	2362-2177	2454-2278	2555-2389	
89	2203-1980	2283-2068	2364-2161	2457-2263	2557-2371	2667-2491	
90	2284-2053	2364-2142	2457-2246	2558-2356	2667-2472	2793-2609	

Digitized by Google

Gr.	70	71	72	73	74	75	
40	1000-684	1015-689	1026-694	1038-698	1051-704	1066-710	
41	1006-702	1020-708	1033-713	1046-718	1061-724	1075-730	
42	1014-722	1027-726	1040-732	1055-738	1069-744	1084-751	
43	1021-741	1035-746	1050-753	1063-759	1079-765	1084-772	
44	1028-760	1044-767	1058-773	1073-780	1088-787	1104-794	
45	1038-780	1052-786	1067-793	1083-801	1098-808	1115-817	
46	1046-800	1062-807	1077-814	1093-822	1110-830	1127-837	
47	1055-820	1072-828	1087-835	1104-844	1121-853	1139-862	
48	1065-841	1081-849	1098-858	1116-867	1133-876	1151-886	
49	1074-863	1092-872	1110-881	1127-890	1145-900	1165-911	
50	1085-885	1104-894	1121-903	1139-913	1159-924	1179-935	
51	1097-907	1116-916	1133-926	1153-937	1173-949	1194-964	
52	1108-929	1128-934	1147-951	1167-962	1189-974	1209-986	
53	1120-952	1141-964	1161-976	1182-988	1203-1000	1226-1014	
54	1134-976	1155-988	1176-1000	1196-1013	1219-1027	1243-1041	
55	1148-1000	1169-1012	1190-1025	1213-1039	1236-1055	1261-1069	
56	1162-1025	1184-1038	1207-1052	1230-1067	1255-1085	1279-1098	
57	1176-1050	1201-1064	1224-1080	1248-1095	1273-1111	1300-1129	
58	1193-1076	1218-1091	1242-1107	1266-1123	1293-1141	1321-1160	
59	1210-1103	1235-1119	1260-1135	1287-1153	1315-1172	1344-1192	
60	1227-1131	1253-1147	1280-1166	1308-1185	1337-1204	1366-1225	
61	1245-1159	1273-1178	1302-1197	1330-1217	1359-1238	1390-1259	
62	1265-1188	1294-1208	1323-1228	1352-1249	1383-1271	1416-1295	
63	1286-1219	1316-1239	1345-1260	1376-1282	1409-1306	1444-1332	
64	1307-1250	1338-1272	1368-1294	1402-1318	1436-1344	1473-1370	
65	1330-1281	1361-1304	1394-1328	1429-1354	1465-1381	1502-1409	
66	1352-1315	1387-1340	1421-1366	1457-1393	1495-1421	1536-1453	
67	1378-1350	1414-1377	1450-1404	1487-1432	1528-1464	1568-1495	
68	1405-1385	1442-1413	1477-1442	1520-1474	1560-1505	1605-1540	
69	1433-1424	1471-1453	1512-1485	1552-1516	1596-1551	1643-1581	
70	1462-1462	1504-1494	1544-1526	1588-1561	1634-1600	1683-1638	
71	1504-1494	1536-1536	1580-1571	1624-1607	1674-1650	1728-1692	
72	1544-1526	1580-1571	1617-1617	1665-1657	1719-1701	1773-1745	
73	1588-1561	1624-1607	1665-1657	1710-1710	1763-1754	1823-1804	
74	1634-1600	1674-1650	1719-1701	1763-1754	1813-1813	1876-1866	
75	1683-1638	1728-1692	1773-1745	1823-1804	1876-1866	1932-1932	
76	1735-1682	1780-1736	1830-1794	1883-1856	1940-1922	2000-1992	
77	1787-1725	1838-1785	1891-1847	1948-1912	2008-1981	2077-2060	
78	1845-1774	1900-1837	1956-1902	2016-1971	2085-2049	2154-2128	
79	1907-1825	1964-1892	2025-1961	2094-2038	2163-2117	2242-2205	
80	1970-1880	2031-1951	2100-2028	2170-2106	2249-2194	2329-2284	
81	2037-1938	2107-2017	2176-2095	2255-2183	2336-2272	2428-2373	
82	2111-2004	2181-2083	2260-2171	2340-2260	2432-2361	2532-2471	
83	2187-2070	2267-2160	2347-2248	2440-2349	2540-2458	2648-2576	
84	2272-2146	2352-2237	2445-2336	2545-2445	2653-2563	2779-2698	
85	2355-2222	2447-2324	2547-2432	2656-2576	2782-2684	2912-2825	
86	2452-2309	2552-2419	2661-2533	2788-2670	2918-2810	3061-2963	
87	2555-2404	2664-2523	2790-2656	2921-2795	3064-2948	3233-3126	
88	2664-2506	2790-2642	2921-2781	3064-2933	3233-3110	3421-3308	
89	2793-2623	2924-2766	3065-2917	3236-3094	3425-3291	3623-3500	
90	2924-2749	3067-2883	3236-3078	3425-3274	3623-3482	3861-3730	

Digitized by Google

Gr.	76	77	78	79	80	81	
40	1079-715	1093-722	1108-728	1122-735	1137-742	1153-750	
41	1089-736	1103-743	1118-750	1134-758	1149-764	1165-774	
42	1099-758	1113-765	1129-773	1146-781	1162-789	1178-797	
43	1109-779	1125-788	1141-796	1158-804	1172-813	1192-823	
44	1120-803	1136-811	1153-819	1170-828	1188-838	1206-849	
45	1132-825	1148-834	1166-843	1185-853	1203-863	1221-874	
46	1144-848	1161-857	1180-867	1198-878	1218-889	1237-900	
47	1156-871	1175-882	1194-893	1214-904	1233-915	1254-928	
48	1170-896	1189-907	1209-918	1230-930	1250-943	1272-956	
49	1184-922	1204-933	1224-945	1246-958	1268-972	1290-987	
50	1199-947	1219-959	1241-972	1264-986	1286-1000	1309-1015	
51	1214-972	1236-986	1259-1000	1282-1014	1305-1029	1330-1046	
52	1230-1000	1254-1014	1277-1029	1301-1044	1326-1061	1352-1078	
53	1248-1028	1272-1043	1297-1058	1322-1075	1347-1093	1374-1111	
54	1266-1056	1290-1072	1316-1089	1343-1107	1370-1125	1397-1144	
55	1285-1085	1311-1102	1338-1120	1366-1139	1393-1158	1422-1178	
56	1306-1116	1332-1134	1360-1153	1389-1173	1417-1193	1449-1216	
57	1327-1138	1355-1167	1383-1187	1413-1207	1444-1230	1477-1254	
58	1349-1179	1378-1199	1407-1220	1440-1243	1472-1268	1506-1293	
59	1372-1212	1401-1233	1433-1257	1468-1281	1502-1306	1537-1333	
60	1396-1246	1428-1270	1462-1294	1497-1320	1532-1347	1571-1377	
61	1422-1283	1456-1308	1491-1334	1527-1361	1566-1391	1604-1420	
62	1450-1320	1485-1346	1521-1373	1561-1404	1599-1434	1641-1467	
63	1479-1358	1515-1386	1555-1417	1594-1446	1636-1480	1680-1515	
64	1509-1397	1548-1429	1588-1459	1631-1493	1675-1529	1721-1566	
65	1542-1440	1581-1471	1625-1505	1667-1541	1716-1578	1767-1621	
66	1575-1484	1618-1518	1663-1554	1711-1592	1762-1635	1813-1677	
67	1611-1530	1656-1566	1704-1605	1757-1648	1807-1690	1864-1738	
68	1650-1576	1697-1615	1750-1658	1802-1701	1858-1749	1918-1800	
69	1690-1627	1742-1671	1794-1714	1853-1762	1913-1814	1976-1868	
70	1735-1682	1787-1725	1845-1774	1907-1825	1970-1880	2037-1938	
71	1780-1736	1838-1785	1900-1837	1964-1892	2031-1951	2107-2017	
72	1830-1794	1891-1847	1956-1902	2025-1961	2100-2028	2176-2095	
73	1883-1856	1948-1912	2016-1971	2094-2038	2170-2106	2255-2183	
74	1940-1922	2008-1981	2085-2049	2163-2117	2249-2194	2336-2272	
75	2000-1992	2077-2060	2154-2128	2242-2205	2329-2284	2428-2373	
76	2065-2065	2145-2137	2233-2215	2322-2293	2420-2383	2527-2481	
77	2145-2137	2224-2224	2312-2303	2413-2393	2519-2491	2635-2597	
78	2233-2215	2312-2303	2403-2403	2512-2501	2627-2608	2760-2732	
79	2322-2293	2413-2393	2512-2501	2619-2619	2751-2743	2889-2871	
80	2420-2383	2519-2491	2627-2608	2751-2743	2880-2880	3031-3021	
81	2527-2481	2635-2597	2760-2732	2889-2871	3031-3021	3197-3197	
82	2640-2587	2765-2721	2895-2860	3037-3012	3204-3188	3390-3383	
83	2773-2709	2903-2848	3046-3000	3214-3178	3401-3373	3598-3580	
84	2909-2836	3052-2957	3220-3165	3408-3363	3605-3569	3841-3815	
85	3055-2975	3223-3152	3411-3349	3609-3558	3846-3803	4115-4083	
86	3230-3140	3418-3336	3616-3543	3853-3792	4124-4070	4436-4391	
87	3421-3322	3620-3529	3857-3776	4128-4058	4440-4378	4803-4750	
88	3620-3515	3857-3761	4128-4041	4440-4364	4803-4735	5230-5173	
89	3861-3745	4132-4025	4444-4347	4808-4721	5235-5157	5747-5678	
90	4132-4008	4444-4330	4807-4702	5236-5141	5747-5661	6410-6333	

Digitized by Google

Gr.	82	83	84	85	86	
40	1167-758	1184-766	1200-776	1216-785	1234-795	
41	1180-782	1198-791	1215-801	1231-811	1249-821	
42	1194-807	1212-817	1230-827	1247-837	1266-849	
43	1209-833	1227-843	1245-855	1264-865	1284-878	
44	1222-859	1243-870	1263-882	1282-894	1303-907	
45	1239-885	1260-897	1280-910	1300-923	1322-936	
46	1256-912	1278-928	1299-939	1319-952	1343-968	
47	1274-941	1296-954	1318-968	1340-984	1365-1000	
48	1292-980	1315-984	1339-1000	1363-1016	1388-1033	
49	1311-1000	1336-1016	1361-1033	1385-1050	1412-1068	
50	1333-1031	1358-1048	1384-1065	1409-1083	1436-1102	
51	1354-1063	1384-1081	1407-1099	1433-1118	1463-1139	
52	1377-1096	1405-1115	1432-1134	1460-1155	1492-1178	
53	1400-1130	1429-1150	1459-1172	1489-1194	1521-1218	
54	1424-1164	1456-1186	1487-1209	1518-1233	1552-1258	
55	1452-1201	1484-1224	1517-1248	1549-1274	1587-1302	
56	1480-1239	1514-1264	1547-1289	1583-1318	1620-1346	
57	1511-1279	1544-1305	1582-1334	1617-1362	1656-1394	
58	1540-1319	1579-1348	1615-1377	1654-1409	1697-1442	
59	1574-1362	1612-1391	1653-1424	1694-1458	1739-1493	
60	1607-1406	1650-1439	1692-1473	1735-1509	1785-1549	
61	1645-1453	1689-1488	1733-1524	1782-1565	1831-1606	
62	1684-1502	1730-1538	1780-1580	1828-1620	1883-1666	
63	1725-1552	1776-1596	1826-1635	1879-1681	1938-1730	
64	1771-1608	1822-1650	1877-1696	1934-1746	1996-1798	
65	1817-1662	1874-1709	1932-1759	1992-1812	2058-1868	
66	1868-1725	1928-1775	1990-1828	2054-1884	2128-1949	
67	1922-1788	1986-1842	2052-1899	2124-1964	2198-2029	
68	1980-1854	2048-1911	2121-1976	2194-2042	2279-2116	
69	2041-1926	2117-1991	2192-2057	2274-2132	2359-2208	
70	2111-2004	2187-2070	2272-2146	2355-2222	2452-2309	
71	2181-2083	2267-2160	2352-2237	2447-2324	2552-2419	
72	2260-2171	2347-2248	2445-2336	2547-2432	2661-2533	
73	2340-2260	2440-2349	2545-2445	2656-2576	2788-2670	
74	2432-2361	2540-2458	2653-2563	2782-2684	2918-2810	
75	2532-2471	2648-2576	2779-2698	2912-2825	3061-2963	
76	2640-2587	2773-2709	2909-2836	3055-2975	3230-3140	
77	2765-2721	2903-2848	3052-2957	3223-3152	3418-3336	
78	2895-2860	3046-3000	3220-3165	3411-3349	3616-3543	
79	3037-3012	3214-3178	3408-3363	3609-3558	3853-3792	
80	3204-3188	3401-3373	3605-3569	3846-3803	4124-4070	
81	3390-3383	3598-3580	3841-3815	4115-4083	4436-4391	
82	3587-3587	3834-3821	4111-4091	4427-4400	4798-4760	
83	3834-3821	4103-4103	4422-4413	4788-4774	5225-5199	
84	4111-4091	4422-4413	4784-4784	5214-5209	5735-5718	
85	4427-4400	4788-4774	5214-5209	5724-5724	6397-6385	
86	4798-4760	5225-5199	5735-5718	6397-6385	7180-7180	
87	5230-5183	5741-5707	6404-6378	7187-7165	8188-8180	
88	5741-5690	6404-6365	7187-7158	8188-8164	9514-9505	
89	6410-6346	7194-7144	8197-8155	9524-9486	11468-11445	
90	7194-7122	8197-8139	9524-9475	11468-11422	—	

Digitized by Google

Gr.	87	88	89	90	91	
40	1250-805	1268-816	1287-828	1306-839	1325-852	
41	1268-832	1286-844	1305-856	1325-869	1346-883	
42	1286-861	1304-873	1325-886	1346-900	1368-915	
43	1304-890	1323-903	1346-918	1368-933	1391-949	
44	1323-921	1345-935	1367-951	1391-967	1414-983	
45	1345-952	1367-967	1391-983	1414-1000	1439-1017	
46	1367-984	1389-1000	1414-1017	1439-1035	1466-1054	
47	1389-1017	1413-1034	1439-1052	1466-1072	1495-1093	
48	1413-1051	1437-1069	1466-1089	1495-1111	1524-1132	
49	1437-1086	1465-1107	1495-1129	1524-1151	1555-1174	
50	1465-1123	1493-1145	1524-1168	1555-1191	1590-1218	
51	1493-1161	1523-1184	1555-1209	1590-1235	1623-1261	
52	1523-1201	1554-1225	1590-1253	1623-1279	1661-1309	
53	1554-1243	1588-1270	1623-1297	1661-1327	1701-1359	
54	1588-1286	1622-1313	1661-1344	1701-1376	1742-1409	
55	1622-1329	1659-1360	1702-1393	1742-1427	1789-1465	
56	1659-1377	1699-1410	1744-1444	1789-1483	1835-1521	
57	1699-1427	1740-1462	1789-1501	1835-1539	1887-1583	
58	1740-1477	1787-1517	1835-1556	1887-1600	1942-1647	
59	1787-1533	1833-1576	1887-1617	1942-1664	2000-1718	
60	1833-1589	1885-1634	1942-1682	2000-1732	2062-1786	
61	1885-1647	1940-1699	2000-1750	2062-1804	2132-1866	
62	1940-1715	1998-1766	2062-1821	2132-1881	2203-1945	
63	1998-1782	2060-1837	2132-1900	2204-1963	2283-2034	
64	2060-1854	2130-1917	2203-1980	2284-2053	2364-2125	
65	2130-1932	2200-1996	2283-2068	2364-2142	2457-2226	
66	2200-2013	2281-2087	2364-2161	2457-2246	2557-2337	
67	2281-2103	2362-2177	2457-2263	2558-2356	2667-2456	
68	2362-2191	2454-2278	2557-2371	2667-2472	2793-2589	
69	2454-2295	2555-2389	2667-2491	2793-2609	2924-2731	
70	2555-2404	2664-2506	2793-2623	2924-2749	3067-2883	
71	2664-2523	2790-2642	2924-2766	3067-2902	3236-3061	
72	2790-2656	2921-2781	3065-2917	3236-3078	3425-3257	
73	2921-2795	3064-2933	3236-3094	3425-3274	3623-3464	
74	3064-2948	3233-3110	3425-3291	3623-3482	3861-3710	
75	3233-3126	3421-3308	3623-3500	3861-3730	4132-3992	
76	3421-3322	3620-3515	3861-3745	4132-4008	4444-4312	
77	3620-3529	3857-3761	4132-4025	4444-4330	4808-4683	
78	3857-3776	4128-4041	4444-4347	4807-4702	5236-5120	
79	4128-4058	4440-4364	4808-4721	5236-5141	5747-5644	
80	4440-4378	4803-4735	5235-5157	5747-5661	6410-6314	
81	4803-4750	5230-5173	5747-5678	6410-6333	7194-7108	
82	5230-5183	5741-5690	6410-6346	7194-7122	8197-8115	
83	5741-5707	6404-6365	7194-7144	8197-8139	9524-9457	
84	6404-6378	7187-7158	8197-8155	9524-9475	11468-11411	
85	7187-7165	8188-8164	9524-9486	11468-11422	—	
86	8188-8180	9514-9505	11468-11445	—	—	
87	9514-9514	11456-11456	—	—	—	
88	11456-11456	—	—	—	—	
89	—	—	—	—	—	
90	—	—	—	—	—	

Digitized by Google

Gr.	92	93	94	95	96	
40	1345-865	1367-880	1388-894	1409-909	1432-925	
41	1367-897	1389-912	1412-928	1433-944	1459-962	
42	1389-932	1413-946	1436-963	1460-981	1487-1000	
43	1413-965	1437-981	1463-1000	1489-1019	1517-1040	
44	1438-1000	1465-1019	1492-1039	1519-1059	1547-1081	
45	1465-1037	1493-1057	1521-1078	1549-1100	1582-1124	
46	1493-1075	1523-1096	1552-1118	1583-1143	1615-1167	
47	1523-1114	1554-1137	1587-1162	1615-1187	1653-1214	
48	1554-1155	1588-1181	1618-1206	1654-1234	1692-1264	
49	1588-1200	1622-1226	1658-1254	1694-1284	1733-1315	
50	1622-1243	1659-1272	1697-1303	1735-1335	1780-1370	
51	1659-1291	1699-1321	1739-1354	1781-1391	1826-1428	
52	1699-1340	1741-1373	1785-1411	1829-1448	1877-1487	
53	1741-1392	1787-1429	1831-1466	1879-1508	1932-1551	
54	1787-1447	1833-1484	1883-1526	1934-1571	1990-1618	
55	1833-1503	1885-1545	1938-1590	1992-1638	2051-1689	
56	1885-1564	1940-1610	1996-1658	2054-1710	2121-1768	
57	1940-1629	1998-1674	2058-1730	2124-1789	2192-1848	
58	1998-1696	2060-1748	2128-1808	2194-1868	2272-1936	
59	2060-1767	2130-1827	2198-1888	2274-1957	2352-2027	
60	2130-1846	2201-1908	2279-1977	2355-2047	2445-2128	
61	2200-1927	2281-1998	2359-2069	2447-2150	2545-2238	
62	2281-2016	2362-2087	2452-2170	2547-2258	2653-2355	
63	2362-2106	2455-2189	2552-2279	2656-2376	2779-2489	
64	2455-2209	2555-2294	2661-2397	2782-2511	2909-2629	
65	2555-2317	2664-2416	2785-2531	2912-2649	3052-2779	
66	2664-2437	2790-2553	2918-2672	3055-2804	3220-2958	
67	2791-2573	2921-2693	3061-2825	3223-2980	3408-3154	
68	2921-2711	3064-2843	3230-3000	3411-3174	3605-3359	
69	3064-2865	3233-3023	3418-3199	3609-3384	3842-3606	
70	3233-3042	3421-3219	3616-3406	3846-3629	4112-3880	
71	3421-3240	3620-3428	3853-3653	4116-3909	4422-4204	
72	3620-3446	3857-3672	4124-3930	4427-4227	4784-4572	
73	3857-3691	4128-3950	4436-4249	4788-4596	5209-5005	
74	4128-3971	4440-4271	4798-4620	5215-5031	5718-5523	
75	4440-4293	4803-4644	5225-5057	5724-5552	6378-6192	
76	4803-4663	5230-5078	5735-5575	6385-6212	7158-6978	
77	5230-5099	5741-5598	6397-6244	7165-7007	8156-7984	
78	5741-5621	6404-6269	7180-7036	8164-8016	9476-9314	
79	6404-6295	7187-7065	8180-8049	9486-9352	11411-11261	
80	7187-7086	8188-8074	9505-9381	11422-11296	—	
81	8188-8099	9514-9409	11445-11330	—	—	
82	9514-9428	11456-11353	—	—	—	
83	11456-11387	—	—	—	—	
84	—	—	—	—	—	
85	—	—	—	—	—	
86	—	—	—	—	—	
87	—	—	—	—	—	
88	—	—	—	—	—	
89	—	—	—	—	—	
90	—	—	—	—	—	

Digitized by Google

Gr.	97	98	99	100	101	
40	1456-943	1480-961	1506-980	1532-1000	1561-1022	
41	1484-981	1509-1000	1537-1020	1566-1043	1594-1065	
42	1514-1020	1540-1040	1571-1064	1599-1086	1631-1111	
43	1544-1061	1574-1084	1604-1107	1636-1133	1670-1170	
44	1579-1105	1607-1128	1641-1154	1675-1184	1711-1211	
45	1612-1148	1645-1174	1680-1202	1716-1232	1757-1265	
46	1650-1194	1684-1223	1721-1253	1762-1286	1802-1319	
47	1689-1243	1725-1274	1767-1308	1807-1341	1853-1379	
48	1730-1294	1771-1329	1813-1363	1859-1402	1907-1443	
49	1776-1351	1817-1385	1864-1425	1913-1466	1964-1510	
50	1818-1405	1868-1445	1926-1487	1970-1532	2026-1579	
51	1874-1466	1922-1509	1976-1554	2031-1602	2098-1657	
52	1928-1530	1980-1576	2037-1625	2100-1680	2163-1736	
53	1986-1598	2041-1647	2107-1704	2169-1760	2242-1824	
54	2047-1668	2111-1725	2176-1782	2249-1847	2322-1913	
55	2117-1746	2181-1804	2256-1870	2329-1936	2413-2012	
56	2187-1826	2260-1902	2336-1960	2420-2037	2512-2120	
57	2267-1916	2340-1983	2427-2061	2519-2146	2619-2237	
58	2347-2005	2432-2083	2527-2169	2625-2261	2743-2369	
59	2440-2106	2532-2192	2635-2285	2751-2394	2871-2506	
60	2539-2215	2640-2309	2757-2419	2880-2532	3012-2656	
61	2648-2333	2765-2444	2889-2559	3021-2684	3178-2832	
62	2774-2464	2895-2582	3031-2709	3188-2858	3363-3024	
63	2904-2605	3037-2733	3197-2883	3373-3051	3558-3228	
64	3046-2758	3204-2909	3384-3079	3569-3257	3792-3471	
65	3214-2932	3390-3103	3580-3283	3803-3498	4058-3744	
66	3401-3130	3587-3311	3815-3529	4070-3777	4364-4062	
67	3591-3336	3822-3556	4083-3806	4378-4093	4721-4428	
68	3834-3579	4091-3831	4391-4120	4736-4457	5141-4853	
69	4103-3860	4400-4151	4750-4490	5157-4890	5644-5368	
70	4413-4178	4760-4519	5173-4921	5661-5402	6295-6026	
71	4774-4548	5183-4953	5678-5437	6314-6064	7065-6806	
72	5199-4979	5690-5466	6333-6096	7086-6842	8049-7795	
73	5707-5494	6346-6128	7108-6158	8074-7836	9352-9105	
74	6365-6160	7122-6914	8098-7877	9381-9152	11261-11021	
75	7143-6950	8115-7918	9409-9200	11296-11078	—	
76	8138-7951	9429-9238	11330-11124	—	—	
77	9457-9276	11353-11170	—	—	—	
78	11388-11216	—	—	—	—	
79	—	—	—	—	—	
80	—	—	—	—	—	
81	—	—	—	—	—	
82	—	—	—	—	—	
83	—	—	—	—	—	
84	—	—	—	—	—	
85	—	—	—	—	—	
86	—	—	—	—	—	
87	—	—	—	—	—	
88	—	—	—	—	—	
89	—	—	—	—	—	
90	—	—	—	—	—	

Digitized by Google

Gr.	102	103	104	105	106	
40	1588-1044	1618-1068	1650-1094	1683-1120	1719-1150	
41	1625-1090	1656-1116	1690-1143	1728-1173	1763-1204	
42	1663-1138	1697-1166	1735-1197	1773-1228	1813-1262	
43	1704-1188	1742-1220	1780-1251	1823-1287	1864-1324	
44	1750-1243	1787-1275	1830-1311	1876-1350	1922-1390	
45	1794-1297	1838-1334	1883-1373	1932-1414	1981-1458	
46	1845-1357	1891-1396	1940-1438	1992-1482	2049-1533	
47	1899-1419	1948-1462	2000-1507	2060-1559	2117-1610	
48	1956-1486	2008-1532	2068-1584	2128-1637	2194-1698	
49	2017-1557	2077-1610	2137-1663	2205-1724	2272-1785	
50	2085-1633	2145-1687	2215-1749	2284-1811	2361-1882	
51	2154-1711	2224-1774	2293-1837	2373-1909	2458-1987	
52	2233-1799	2303-1863	2383-1936	2471-2016	2563-2103	
53	2312-1889	2393-1963	2481-2043	2576-2131	2684-2232	
54	2403-1988	2491-2069	2587-2157	2698-2259	2810-2366	
55	2501-2095	2597-2184	2709-2288	2824-2395	2948-2512	
56	2608-2210	2718-2316	2836-2424	2963-2543	3110-2683	
57	2732-2344	2848-2453	2975-2574	3126-2715	3290-2873	
58	2860-2479	2988-2601	3139-2744	3308-2904	3482-3072	
59	3000-2629	3152-2787	3322-2935	3500-3105	3710-3309	
60	3165-2803	3336-2966	3514-3138	3730-3344	3971-3579	
61	3349-2996	3529-3170	3745-3378	3992-3616	4227-3889	
62	3543-3199	3761-3409	4008-3649	4293-3924	4620-4245	
63	3776-3440	4025-3682	4311-3960	4644-4284	5031-4665	
64	4041-3715	4329-3996	4663-4322	5058-4707	5523-5167	
65	4347-4027	4683-4356	5079-4743	5552-5207	6160-5808	
66	4702-4394	5099-4785	5575-5253	6192-5859	6913-6576	
67	5120-4822	5598-5293	6218-5904	6950-6626	7877-7550	
68	5621-5328	6244-5942	6978-6669	7918-7599	9152-8829	
69	6269-5987	7007-6719	7951-7656	9200-8895	11021-10711	
70	7036-6763	7984-7705	9238-8952	11078-10780	—	
71	8016-7754	9276-9009	11124-10849	—	—	
72	9314-9067	11170-10906	—	—	—	
73	11216-10963	—	—	—	—	
74	—	—	—	—	—	
75	—	—	—	—	—	
76	—	—	—	—	—	
77	—	—	—	—	—	
78	—	—	—	—	—	
79	—	—	—	—	—	
80	—	—	—	—	—	
81	—	—	—	—	—	
82	—	—	—	—	—	
83	—	—	—	—	—	
84	—	—	—	—	—	
85	—	—	—	—	—	
86	—	—	—	—	—	
87	—	—	—	—	—	
88	—	—	—	—	—	
89	—	—	—	—	—	
90	—	—	—	—	—	

Digitized by Google

Gr.	107	108	109	110	111	
40	1754-1180	1794-1213	1837-1249	1880-1290	1926-1326	
41	1804-1238	1847-1274	1892-1312	1938-1353	1991-1399	
42	1856-1299	1902-1338	1951-1379	2004-1426	2057-1474	
43	1912-1364	1961-1406	2015-1454	2070-1502	2132-1557	
44	1971-1433	2028-1482	2084-1531	2146-1587	2208-1643	
45	2038-1507	2095-1557	2160-1614	2222-1671	2295-1737	
46	2106-1584	2171-1642	2236-1700	2310-1767	2389-1839	
47	2183-1669	2248-1728	2324-1796	2404-1870	2491-1949	
48	2260-1756	2337-1826	2419-1900	2507-1982	2609-2075	
49	2349-1855	2432-1931	2523-2013	2626-2109	2731-2208	
50	2445-1959	2536-2043	2642-2134	2749-2240	2865-2350	
51	2549-2072	2656-2170	2766-2272	2883-2383	3023-2515	
52	2671-2201	2781-2304	2902-2417	3042-2550	3199-2699	
53	2795-2336	2917-2451	3061-2586	3219-2736	3384-2895	
54	2932-2481	3074-2618	3239-2771	3406-2931	3606-3124	
55	3094-2650	3257-2805	3427-2967	3630-3162	3859-3384	
56	3274-2839	3446-3004	3622-3201	3884-3426	4151-3684	
57	3464-3040	3672-3239	3909-3462	4178-3729	4490-4034	
58	3691-3274	3930-3504	4204-3769	4519-4077	4890-4439	
59	3950-3541	4227-3809	4548-4120	4921-4487	5368-4925	
60	4249-3849	4572-4163	4953-4534	5402-4977	5987-5551	
61	4596-4207	4979-4581	5437-5029	6026-5609	6719-6302	
62	5005-4623	5466-5075	6064-5660	6763-6353	7656-7238	
63	5494-5121	6096-5712	6806-6410	7705-7303	8895-8486	
64	6128-5763	6842-6467	7754-7369	8952-8562	10711-10310	
65	6878-6518	7795-7426	9010-8629	10780-10390	—	
66	7836-7492	9057-8705	10849-10482	—	—	
67	9105-8771	10906-10562	—	—	—	
68	10963-10631	—	—	—	—	
69	—	—	—	—	—	
70	—	—	—	—	—	
71	—	—	—	—	—	
72	—	—	—	—	—	
73	—	—	—	—	—	
74	—	—	—	—	—	
75	—	—	—	—	—	
76	—	—	—	—	—	
77	—	—	—	—	—	
78	—	—	—	—	—	
79	—	—	—	—	—	
80	—	—	—	—	—	
81	—	—	—	—	—	
82	—	—	—	—	—	
83	—	—	—	—	—	
84	—	—	—	—	—	
85	—	—	—	—	—	
86	—	—	—	—	—	
87	—	—	—	—	—	
88	—	—	—	—	—	
89	—	—	—	—	—	
90	—	—	—	—	—	

Digitized by Google

Gr.	112	113	114	115	116	
40	1977-1371	2029-1416	2086-1468	2142-1520	2209-1580	
41	2042-1445	2103-1498	2161-1550	2226-1612	2299-1678	
42	2116-1527	2177-1582	2246-1644	2317-1711	2397-1784	
43	2191-1612	2263-1676	2338-1744	2416-1819	2511-1905	
44	2278-1708	2356-1775	2437-1853	2531-1941	2629-2032	
45	2371-1808	2456-1886	2553-1975	2649-2070	2758-2169	
46	2472-1917	2573-2008	2673-2102	2779-2206	2910-2327	
47	2589-2042	2693-2137	2804-2242	2932-2366	3079-2504	
48	2711-2173	2825-2280	2958-2405	3103-2545	3257-2692	
49	2844-2316	2981-2443	3130-2586	3283-2736	3471-2915	
50	3000-2479	3154-2623	3312-2775	3498-2958	3715-3124	
51	3175-2661	3337-2815	3529-3000	3744-3211	3996-3453	
52	3359-2855	3556-3042	3777-3256	4027-3502	4322-3788	
53	3579-3085	3806-3301	4062-3551	4356-3841	4707-4183	
54	3831-3343	4093-3596	4394-3889	4743-4235	5166-4644	
55	4120-3640	4428-3933	4785-4288	5207-4707	5763-5250	
56	4456-3986	4822-4340	5253-4764	5808-5314	6468-5963	
57	4853-4393	5293-4822	5859-5378	6518-6036	7369-6877	
58	5328-4874	5904-5436	6576-6101	7426-6951	8562-8076	
59	5942-5493	6626-6165	7492-7024	8629-8162	10310-9828	
60	6669-6231	7549-7099	8705-8248	10390-9931	—	
61	7516-7172	8771-8333	10482-10034	—	—	
62	8829-8410	10562-10126	—	—	—	
63	10631-10218	—	—	—	—	
64	—	—	—	—	—	
65	—	—	—	—	—	
66	—	—	—	—	—	
67	—	—	—	—	—	
68	—	—	—	—	—	
69	—	—	—	—	—	
70	—	—	—	—	—	
71	—	—	—	—	—	
72	—	—	—	—	—	
73	—	—	—	—	—	
74	—	—	—	—	—	
75	—	—	—	—	—	
76	—	—	—	—	—	
77	—	—	—	—	—	
78	—	—	—	—	—	
79	—	—	—	—	—	
80	—	—	—	—	—	
81	—	—	—	—	—	
82	—	—	—	—	—	
83	—	—	—	—	—	
84	—	—	—	—	—	
85	—	—	—	—	—	
86	—	—	—	—	—	
87	—	—	—	—	—	
88	—	—	—	—	—	
89	—	—	—	—	—	
90	—	—	—	—	—	

Digitized by Google

Gr.	117	118	119	120	121	
40	2274-1642	2355-1715	2444-1796	2532-1880	2610-1972	
41	2376-1749	2466-1832	2559-1918	2656-2012	2773-2123	
42	2489-1869	2582-1956	2684-2052	2803-2165	2935-2291	
43	2605-1994	2709-2092	2832-2207	2966-2336	3105-2471	
44	2733-2132	2858-2249	2998-2380	3138-2518	3309-2683	
45	2883-2288	3024-2421	3170-2562	3344-2730	3541-2921	
46	3051-2463	3199-2605	3378-2776	3579-2971	3808-3194	
47	3228-2649	3409-2822	3616-3021	3849-3249	4120-3514	
48	3440-2869	3649-3070	3880-3302	4164-3572	4487-3890	
49	3682-3120	3924-3356	4207-3630	4534-3953	4925-4339	
50	3960-3404	4245-3683	4581-4015	4977-4402	5494-4910	
51	4284-3736	4623-4068	5029-4465	5551-4981	6165-5590	
52	4665-4126	5075-4529	5613-5051	6230-5669	7025-6459	
53	5121-4592	5660-5122	6295-5748	7099-6549	8162-7609	
54	5711-5186	6352-5820	7172-6631	8248-7705	9839-9278	
55	6410-5892	7238-6713	8333-7800	9932-9392	—	
56	7303-6795	8409-7895	10034-9507	—	—	
57	8486-7990	10126-9622	—	—	—	
58	10218-9725	—	—	—	—	
59	—	—	—	—	—	
60	—	—	—	—	—	
61	—	—	—	—	—	
62	—	—	—	—	—	
63	—	—	—	—	—	
64	—	—	—	—	—	
65	—	—	—	—	—	
66	—	—	—	—	—	
67	—	—	—	—	—	
68	—	—	—	—	—	
69	—	—	—	—	—	
70	—	—	—	—	—	
71	—	—	—	—	—	
72	—	—	—	—	—	
73	—	—	—	—	—	
74	—	—	—	—	—	
75	—	—	—	—	—	
76	—	—	—	—	—	
77	—	—	—	—	—	
78	—	—	—	—	—	
79	—	—	—	—	—	
80	—	—	—	—	—	
81	—	—	—	—	—	
82	—	—	—	—	—	
83	—	—	—	—	—	
84	—	—	—	—	—	
85	—	—	—	—	—	
86	—	—	—	—	—	
87	—	—	—	—	—	
88	—	—	—	—	—	
89	—	—	—	—	—	
90	—	—	—	—	—	

Digitized by Google

Gr.	122	123	124	125	126	
40	2744-2081	2873-2202	3003-2330	3162-2483	3343-2657	
41	2904-2247	3040-2377	3201-2533	3384-2711	3596-2916	
42	3072-2424	3239-2583	3426-2764	3640-2973	3889-3216	
43	3274-2633	3467-2819	3684-3031	3938-3279	4236-3571	
44	3504-2851	3729-3089	3986-3341	4288-3639	4649-3994	
45	3769-3142	4034-3399	4340-3702	4707-4063	5186-4532	
46	4077-3457	4393-3764	4764-4132	5250-4609	5820-5173	
47	4490-3827	4822-4201	5327-4686	5892-5260	6631-5992	
48	4874-4270	5378-4763	5964-5345	6713-6090	7705-7075	
49	5436-4840	6036-5432	6795-6189	7800-7190	9278-8658	
50	6101-5511	6877-6278	7895-7295	9392-8784	—	
51	6951-6369	7990-7400	9507-8911	—	—	
52	8076-7505	9622-9037	—	—	—	
53	9736-9163	—	—	—	—	
54	—	—	—	—	—	
55	—	—	—	—	—	
56	—	—	—	—	—	
57	—	—	—	—	—	
58	—	—	—	—	—	
59	—	—	—	—	—	
60	—	—	—	—	—	
61	—	—	—	—	—	
62	—	—	—	—	—	
63	—	—	—	—	—	
64	—	—	—	—	—	
65	—	—	—	—	—	
66	—	—	—	—	—	
67	—	—	—	—	—	
68	—	—	—	—	—	
69	—	—	—	—	—	
70	—	—	—	—	—	
71	—	—	—	—	—	
72	—	—	—	—	—	
73	—	—	—	—	—	
74	—	—	—	—	—	
75	—	—	—	—	—	
76	—	—	—	—	—	
77	—	—	—	—	—	
78	—	—	—	—	—	
79	—	—	—	—	—	
80	—	—	—	—	—	
81	—	—	—	—	—	
82	—	—	—	—	—	
83	—	—	—	—	—	
84	—	—	—	—	—	
85	—	—	—	—	—	
86	—	—	—	—	—	
87	—	—	—	—	—	
88	—	—	—	—	—	
89	—	—	—	—	—	
90	—	—	—	—	—	

Digitized by Google

Gr.	127	128	129	130	131	
40	3551-2858	3788-3091	4068-3367	4402-3695	4840-4122	
41	3841-3154	4126-3435	4466-3770	4910-4205	5432-4719	
42	4183-3503	4529-3845	4981-4288	5511-4813	6189-5484	
43	4592-3920	5051-4372	5590-4906	6279-5590	7190-6495	
44	5122-4455	5669-5000	6361-5697	7295-6619	8658-7970	
45	5748-5086	6459-5795	7400-6733	8784-8108	—	
46	6549-5893	7505-6848	8911-8245	—	—	
47	7609-6962	9037-8383	—	—	—	
48	9163-8521	—	—	—	—	
49	—	—	—	—	—	
50	—	—	—	—	—	
51	—	—	—	—	—	
52	—	—	—	—	—	
53	—	—	—	—	—	
54	—	—	—	—	—	
55	—	—	—	—	—	
56	—	—	—	—	—	
57	—	—	—	—	—	
58	—	—	—	—	—	
59	—	—	—	—	—	

Gr.	132	133	134	135		
40	5345-4626	5992-5270	6848-6124	8108-7374	—	
41	6090-5377	6962-6248	8245-7523	—	—	
42	7076-6371	8383-7672	—	—	—	
43	8521-7821	—	—	—	—	
44	—	—	—	—	—	
45	—	—	—	—	—	
46	—	—	—	—	—	
47	—	—	—	—	—	
48	—	—	—	—	—	
49	—	—	—	—	—	
50	—	—	—	—	—	
51	—	—	—	—	—	
52	—	—	—	—	—	
53	—	—	—	—	—	
54	—	—	—	—	—	
55	—	—	—	—	—	
56	—	—	—	—	—	
57	—	—	—	—	—	
58	—	—	—	—	—	
59	—	—	—	—	—	
60	—	—	—	—	—	
61	—	—	—	—	—	
62	—	—	—	—	—	
63	—	—	—	—	—	
64	—	—	—	—	—	

Digitized by Google

II.

HJÆLPETABEL,

INDEHOLDENDE

SINUS OG LOG. SINUS FOR VINKLER FRA 1^0 TIL 179^0.

Digitized by Google

Gr.	Sin.	Log. Sin.	Gr.	Gr.	Sin.	Log. Sin.	Gr.
1	175	2,2418553	179	13	2250	3,3520880	167
1 1/4	218	2,3387529	178 3/4	13 1/4	2292	3,3602154	166 3/4
1 1/2	262	2,4179190	178 1/2	13 1/2	2334	3,3681853	166 1/2
1 3/4	305	2,4848479	178 1/4	13 3/4	2377	3,3760034	166 1/4
2	349	2,5428192	178	14	2419	3,3836752	166
2 1/4	393	2,5939483	177 3/4	14 1/4	2462	3,3912057	165 3/4
2 1/2	436	2,6396796	177 1/2	14 1/2	2504	3,3985996	165 1/2
2 3/4	480	2,6810433	177 1/4	14 3/4	2546	3,4058617	165 1/4
3	523	2,7188002	177	15	2588	3,4129962	165
3 1/4	567	2,7535278	176 3/4	15 1/4	2630	3,4200073	164 3/4
3 1/2	610	2,7856753	176 1/2	15 1/2	2672	3,4268988	164 1/2
3 3/4	654	2,8515985	176 1/4	15 3/4	2714	3,4336746	164 1/4
4	698	2,8435845	176	16	2756	3,4403381	164
4 1/4	741	2,8698680	175 3/4	16 1/4	2798	3,4468927	163 3/4
4 1/2	785	2,8946433	175 1/2	16 1/2	2840	3,4533418	163 1/2
4 3/4	828	2,9180734	175 1/4	16 3/4	2882	3,4596884	163 1/4
5	872	2,9402960	175	17	2924	3,4659353	163
5 1/4	915	2,9614288	174 3/4	17 1/4	2965	3,4720856	162 3/4
5 1/2	958	2,9815729	174 1/2	17 1/2	3007	3,4781418	162 1/2
5 3/4	1002	3,0008160	174 1/4	17 3/4	3049	3,4841066	162 1/4
6	1045	3,0192346	174	18	3090	3,4899824	162
6 1/4	1089	3,0368958	173 3/4	18 1/4	3132	3,4957716	161 3/4
6 1/2	1132	3,0538588	173 1/2	18 1/2	3173	3,5014764	161 1/2
6 3/4	1175	3,0701761	173 1/4	18 3/4	3214	3,5070992	161 1/4
7	1219	3,0858945	173	19	3256	3,5126419	161
7 1/4	1262	3,1010558	172 3/4	19 1/4	3297	3,5181066	160 3/4
7 1/2	1305	3,1156977	172 1/2	19 1/2	3338	3,5234953	160 1/2
7 3/4	1349	3,1298539	172 1/4	19 3/4	3379	3,5288097	160 1/4
8	1392	3,1435553	172	20	3420	3,5340517	160
8 1/4	1435	3,1568296	171 3/4	20 1/4	3461	3,5392230	159 3/4
8 1/2	1478	3,1697021	171 1/2	20 1/2	3502	3,5443253	159 1/2
8 3/4	1521	3,1821960	171 1/4	20 3/4	3543	3,5493602	159 1/4
9	1564	3,1943324	171	21	3584	3,5543292	159
9 1/4	1607	3,2061309	170 3/4	21 1/4	3624	3,5592338	158 3/4
9 1/2	1650	3,2176092	170 1/2	21 1/2	3665	3,5640754	158 1/2
9 3/4	1693	3,2287839	170 1/4	21 3/4	3706	3,5688555	158 1/4
10	1736	3,2396702	170	22	3746	3,5735754	158
10 1/4	1779	3,2502822	169 3/4	22 1/4	3786	3,5782364	157 3/4
10 1/2	1822	3,2606330	169 1/2	22 1/2	3827	3,5828397	157 1/2
10 3/4	1865	3,2707348	169 1/4	22 3/4	3867	3,5873865	157 1/4
11	1908	3,2805988	169	23	3907	3,5918780	157
11 1/4	1951	3,2902357	168 3/4	23 1/4	3947	3,5963154	156 3/4
11 1/2	1994	3,2996553	168 1/2	23 1/2	3987	3,6006997	156 1/2
11 3/4	2036	3,3088668	168 1/4	23 3/4	4027	3,6050320	156 1/4
12	2079	3,3178789	168	24	4067	3,6093133	156
12 1/4	2122	3,3266997	167 3/4	24 1/4	4107	3,6135446	155 3/4
12 1/2	2164	3,3353368	167 1/2	24 1/2	4147	3,6177270	155 1/2
12 3/4	2207	3,3437973	167 1/4	24 3/4	4187	3,6218612	155 1/4

Digitized by Google

Gr.	Sin.	Log. Sin.	Gr.	Gr.	Sin.	Log. Sin.	Gr.
25	4226	3,6259483	155	37	6018	3,7794630	143
25 1/4	4266	3,6299890	154 3/4	37 1/4	6053	3,7819664	142 3/4
25 1/2	4305	3,6339844	154 1/2	37 1/2	6088	3,7844471	142 1/2
25 3/4	4344	3,6379351	154 1/4	37 3/4	6122	3,7869056	142 1/4
26	4384	3,6418420	154	38	6157	3,7893420	142
26 1/4	4423	3,6457058	153 3/4	38 1/4	6191	3,7917566	141 3/4
26 1/2	4462	3,6495274	153 1/2	38 1/2	6225	3,7941496	141 1/2
26 3/4	4501	3,6533075	153 1/4	38 3/4	6259	3,7965212	141 1/4
27	4540	3,6570468	153	39	6293	3,7988718	141
27 1/4	4579	3,6607459	152 3/4	39 1/4	6327	3,8012015	140 3/4
27 1/2	4617	3,6644056	152 1/2	39 1/2	6361	3,8035105	140 1/2
27 3/4	4656	3,6680265	152 1/4	39 3/4	6394	3,8057991	140 1/4
28	4695	3,6716093	152	40	6428	3,8080675	140
28 1/4	4733	3,6751546	151 3/4	40 1/4	6461	3,8103159	139 3/4
28 1/2	4772	3,6786629	151 1/2	40 1/2	6494	3,8125444	139 1/2
28 3/4	4810	3,6821349	151 1/4	40 3/4	6528	3,8147534	139 1/4
29	4848	3,6855712	151	41	6561	3,8169429	139
29 1/4	4886	3,6889723	150 3/4	41 1/4	6593	3,8191133	138 3/4
29 1/2	4924	3,6923388	150 1/2	41 1/2	6626	3,8212646	138 1/2
29 3/4	4962	3,6956712	150 1/4	41 3/4	6659	3,8233971	138 1/4
30	5000	3,6989700	150	42	6691	3,8255109	138
30 1/4	5038	3,7022357	149 3/4	42 1/4	6724	3,8276063	137 3/4
30 1/2	5075	3,7054689	149 1/2	42 1/2	6756	3,8296833	137 1/2
30 3/4	5113	3,7086699	149 1/4	42 3/4	6788	3,8317423	137 1/4
31	5150	3,7118393	149	43	6820	3,8337833	137
31 1/4	5188	3,7149776	148 3/4	43 1/4	6852	3,8358066	136 3/4
31 1/2	5225	3,7180851	148 1/2	43 1/2	6884	3,8378112	136 1/2
31 3/4	5262	3,7211623	148 1/4	43 3/4	6915	3,8398004	136 1/4
32	5299	3,7242097	148	44	6947	3,8417713	136
32 1/4	5336	3,7272276	147 3/4	44 1/4	6978	3,8437250	135 3/4
32 1/2	5373	3,7302165	147 1/2	44 1/2	7009	3,8456618	135 1/2
32 3/4	5410	3,7331768	147 1/4	44 3/4	7040	3,8475817	135 1/4
33	5446	3,7361088	147	45	7071	3,8494850	135
33 1/4	5483	3,7390129	146 3/4	45 1/4	7102	3,8513717	134 3/4
33 1/2	5519	3,7418895	146 1/2	45 1/2	7133	3,8532421	134 1/2
33 3/4	5556	3,7447390	146 1/4	45 3/4	7163	3,8550961	134 1/4
34	5592	3,7475617	146	46	7193	3,8569341	134
34 1/4	5628	3,7503579	145 3/4	46 1/4	7224	3,8587561	133 3/4
34 1/2	5664	3,7531280	145 1/2	46 1/2	7254	3,8605622	133 1/2
34 3/4	5700	3,7558724	145 1/4	46 3/4	7284	3,8623526	133 1/4
35	5736	3,7585913	145	47	7314	3,8641275	133
35 1/4	5771	3,7612851	144 3/4	47 1/4	7343	3,8658868	132 3/4
35 1/2	5807	3,7639540	144 1/2	47 1/2	7373	3,8676309	132 1/2
35 3/4	5842	3,7665985	144 1/4	47 3/4	7402	3,8693597	132 1/4
36	5878	3,7692187	144	48	7431	3,8710735	132
36 1/4	5913	3,7718150	143 3/4	48 1/4	7461	3,8727722	131 3/4
36 1/2	5948	3,7743876	143 1/2	48 1/2	7490	3,8744561	131 1/2
36 3/4	5983	3,7769369	143 1/4	48 3/4	7518	3,8761253	131 1/4

Digitized by Google

Gr.	Sin.	Log. Sin.	Gr.	Gr.	Sin.	Log. Sin.	Gr.
49	7547	3,8777799	131	61	8746	3,9418193	119
49¼	7576	3,8794199	130¾	61¼	8767	3,9428643	118¾
49½	7604	3,8810455	130½	61½	8788	3,9438985	118½
49¾	7632	3,8826568	130¼	61¾	8809	3,9449220	118¼
50	7660	3,8842540	130	62	8829	3,9459349	118
50¼	7688	3,8858370	129¾	62¼	8850	3,9469372	117¾
50½	7716	3,8874061	129½	62½	8870	3,9479289	117½
50¾	7744	3,8889612	129¼	62¾	8890	3,9489101	117¼
51	7771	3,8905026	129	63	8910	3,9498809	117
51¼	7799	3,8920303	128¾	63¼	8930	3,9508412	116¾
51½	7826	3,8935444	128½	63½	8949	3,9517912	116½
51¾	7853	3,8950450	128¼	63¾	8969	3,9527308	116¼
52	7880	3,8965321	128	64	8988	3,9536602	116
52¼	7907	3,8980060	127¾	64¼	9007	3,9545793	115¾
52½	7934	3,8994667	127½	64½	9026	3,9554882	115½
52¾	7960	3,9009142	127¼	64¾	9045	3,9563870	115¼
53	7986	3,9023486	127	65	9063	3,9572757	115
53¼	8013	3,9037701	126¾	65¼	9081	3,9581543	114¾
53½	8039	3,9051787	126½	65½	9100	3,9590229	114½
53¾	8064	3,9065745	126¼	65¾	9118	3,9598815	114¼
54	8090	3,9079576	126	66	9135	3,9607302	114
54¼	8116	3,9093281	125¾	66¼	9153	3,9615689	113¾
54½	8141	3,9106860	125½	66½	9171	3,9623978	113½
54¾	8166	3,9120315	125¼	66¾	9188	3,9632168	113¼
55	8192	3,9136645	125	67	9205	3,9640261	113
55¼	8216	3,9146852	124¾	67¼	9222	3,9648256	112¾
55½	8241	3,9159937	124½	67½	9239	3,9656153	112½
55¾	8266	3,9172900	124¼	67¾	9255	3,9663954	112¼
56	8290	3,9185742	124	68	9272	3,9671659	112
56¼	8315	3,9198464	123¾	68¼	9288	3,9679267	111¾
56½	8339	3,9211066	123½	68½	9304	3,9686779	111½
56¾	8363	3,9223549	123¼	68¾	9320	3,9694196	111¼
57	8387	3,9235914	123	69	9336	3,9701517	111
57¼	8410	3,9248161	122¾	69¼	9351	3,9708744	110¾
57½	8434	3,9260292	122½	69½	9367	3,9715876	110½
57¾	8457	3,9272306	122¼	69¾	9382	3,9722914	110¼
58	8480	3,9284205	122	70	9397	3,9729858	110
58¼	8504	3,9295989	121¾	70¼	9412	3,9736709	109¾
58½	8526	3,9307658	121½	70½	9426	3,9743466	109½
58¾	8549	3,9319213	121¼	70¾	9441	3,9750129	109¼
59	8572	3,9330656	121	71	9455	3,9756701	109
59¼	8594	3,9341986	120¾	71¼	9469	3,9763179	108¾
59½	8616	3,9353204	120½	71½	9483	3,9769566	108½
59¾	8638	3,9364311	120¼	71¾	9497	3,9775860	108¼
60	8660	3,9375306	120	72	9511	3,9782063	108
60¼	8682	3,9386192	119¾	72¼	9524	3,9788175	107¾
60½	8704	3,9396968	119½	72½	9537	3,9794195	107½
60¾	8725	3,9407634	119¼	72¾	9550	3,9800124	107¼

Digitized by Google

Gr.	Sin.	Log. Sin.	Gr.	Gr.	Sin.	Log. Sin.	Gr.
73	9563	3,9805963	107	82	9903	3,9957528	98
73 1/4	9576	3,9811711	106 3/4	82 1/4	9909	3,9960149	97 3/4
73 1/2	9588	3,9817370	106 1/2	82 1/2	9914	3,9962686	97 1/2
73 3/4	9600	3,9822938	106 1/4	82 3/4	9920	3,9965138	97 1/4
74	9613	3,9828416	106	83	9925	3,9967507	97
74 1/4	9625	3,9833805	105 3/4	83 1/4	9931	3,9969792	96 3/4
74 1/2	9636	3,9839105	105 1/2	83 1/2	9936	3,9971993	96 1/2
74 3/4	9648	3,9844316	105 1/4	83 3/4	9941	3,9974110	96 1/4
75	9659	3,9849438	105	84	9945	3,9976143	96
75 1/4	9670	3,9854471	104 3/4	84 1/4	9950	3,9978093	95 3/4
75 1/2	9681	3,9859416	104 1/2	84 1/2	9954	3,9979960	95 1/2
75 3/4	9692	3,9864273	104 1/4	84 3/4	9958	3,9981743	95 1/4
76	9703	3,9869041	104	85	9962	3,9983442	95
76 1/4	9713	3,9873722	103 3/4	85 1/4	9966	3,9985058	94 3/4
76 1/2	9724	3,9878315	103 1/2	85 1/2	9969	3,9986591	94 1/2
76 3/4	9734	3,9882821	103 1/4	85 3/4	9973	3,9988041	94 1/4
77	9744	8,9887239	103	86	9976	3,9989408	94
77 1/4	9753	3,9891571	102 3/4	86 1/4	9979	3,9990691	93 3/4
77 1/2	9763	3,9895815	102 1/2	86 1/2	9981	3,9991892	93 1/2
77 3/4	9772	3;9899973	102 1/4	86 3/4	9984	3,9993009	93 1/4
78	9781	3,9904044	102	87	9986	3,9994044	93
78 1/4	9790	3,9908029	101 3/4	87 1/4	9988	3,9994996	92 3/4
78 1/2	9799	3,9911927	101 1/2	87 1/2	9990	3,9995865	92 1/2
78 3/4	9808	3,9915739	101 1/4	87 3/4	9992	3,9996650	92 1/4
79	9816	3,9919466	101	88	9994	3,9997354	92
79 1/4	9825	3,9923106	100 3/4	88 1/4	9995	3,9997974	91 3/4
79 1/2	9833	3,9926661	100 1/2	88 1/2	9997	3,9998512	91 1/2
79 3/4	9840	3,9930131	100 1/4	88 3/4	9998	3,9998966	91 1/4
80	9848	3,9933515	100	89	9998	3,9999338	91
80 1/4	9856	3,9936813	99 3/4	89 1/4	9999	3,9999628	90 3/4
80 1/2	9863	3,9940027	99 1/2	89 1/2	10000	3,9999835	90 1/2
80 3/4	9870	3,9943156	99 1/4	89 3/4	10000	3,9999959	90 1/4
81	9877	3,9946199	99	90	10000	4,0000000	90
81 1/4	9884	3,9949158	98 3/4				
81 1/2	9890	3,9952033	98 1/2				
81 3/4	9897	3,9954822	98 1/4				

Digitized by Google

Digitized by Google

Digitized by Google

Digitized by Google

Digitized by Google

Digitized by Google